

ATTTATTTATTAATCATCTCATATGTGTCTATGTGTTCTGTTAACCTCAGATCCTTCCACACA
 AAGAAAACATACTGCAGAAACAATCGTGATTCTGTAAGTCAACGGCAAACACCACCCCCGTCTT
 AACGGCCAGCAGGAAAAAATGAAGCATATTATCAATTCTGATGAACACACCAATGACACCGCAAG
 AAATAACTCCGATTGTCCTGATGTAGTTTGCCAGAAGAGATATTTTCAACATCTGTGTCATTG
 GCATATTGGAGAACTTGATTGTCCTGGCTGTGATCAAAAATAAAATCTCCAGTCCCCATG
 TATTTTCATCTGCAGTTGCCATTCTGACATGTTGGCAGTCTGTATAAGATCTGGAAAAA
 CATCCTGATCATGTTAGAAACATGGTTATCTTAAGCCTCGTGGCAGTTGAAAGCACAGCAG
 ATGACATCATTGACTGCATGTTCATCCTCTTTGCTGGGCTCTATCTTCAGCCTGTCTGTCATT
 GCAGCTGACCGTTACATCACCCTTCCATGCCCTGCAATACCATAGCATTGTGACCATGCGCCG
 CACCATCATCACCTAACAAATTATCTGGATGTTCTGCACAGGGAGCGGCATCACCATGGTGTCT
 TCTCCCACACATCCCCACAGTGCTCACCTCACATCGCTGTTCCCTTGATGCTGGTTTATC
 CTGTGTCTCTACATCCACATGTTACTTGCCCGCTCCATGCTAGGAAGATCTCACCCCTTCC
 TAGAACCAACATGAAGGGTGCATGACACTAACCATCCTCTGGAGTCTCATCTCTGTTGG
 CCCCCCTTGTGCTCCATGTTCTTAATGACCTCTGCCAAATAACCCTACTGTGTTGCTAC
 ATGTCTCTCTTCCAGGTCAATGGCATGTTGATCATGTGCAATGCAGTTATTGACCCCTTATATA
 TGCCTTCGGAGCCCAGAGCTCAGAGATGCATTCAAAGGATGCTCTCTGCAACCGGTATTAGT
 AGAATTTTGATCCCTGCTTGAGTGTGAAAGGGACCAAATAACACATCAGTCTGACA (SEQ
 ID NO:1)

MKHIINSYEHTNDTARNNSDCPDVVLPEEIFFTISVIGILENLIVLLAVIKNKNLQSPMYFFICS
 LAISDMLGSLYKILENILIMFRNMGYLKPRGSFESTADDIIDCMFILSLLGSIFSLSVIAADRYI
 TIFHALQYHSIVTMRTIITLTIIWMFCTGSGITMVIFSHIPTVLFTSLFPLMLVFILCLYIH
 MFLLARSHARKISTLPRTNMKGAMTLTILLGVFIFCWAPFVLHVLLMTFCPNNPYCVCYMSLFQV
 NGMLIMCNAVIDPFIYAFRSPCLRDAFKMLFCNRY (SEQ ID NO:2)

FIGURE 1

underlined = deleted in targeting construct

Bold = sequence flanking Neo insert in targeting construct

ATTTATTTATTAATCATCTCATATGTGTATGTGTTCTGTTAACCTCAGATCCTTCC
 ACACAAAGAAAACATACTGCAGAAACAATCGTGATTCTGTAAAGTCACCGCAAACACCA
 CCCCCGTCTTAACGGCCAGCAGGAAAAAATGAAGCATATTATCAATTCTGTATGAACACAC
 CAATGACACCGCAAGAAATAACTCCGATTGCTCTGATGTAGTTTGCCAGAAGAGATATT
 TTTCAAACTCTGTCAATTGGCATATTGGAGAACTTGATTGCTCTGGCTGTGATCAA
 AAATAAAAATCTCCAGTCCCCATGTATTTTCATCTGCAGTTGGCCATTCTGACAT
 GTTGGGCAGTCTGTATAAGATCTGGAAACATCCTGATCATGTTCAGAAACATGGGTA
 TCTTAAGCCTCGTGGCAGTTGAAAGCACAGCAGATGACATCATTGACTGCATGTTCAT
 CCTCTTTGCTGGCTCTATCTCAGCCTGTCTGTCAATTGCTAGCTGACCGTTACATCAC
 CATCTCCATGCCCTGCAATACCATAGCATTGACCATGCGCCGACCATCATCACCT
 ACAAAATTATCTGGATGTTCTGCACAGGGAGCGGCATCACCATGGTATCTTCTCCACCA
 CATCCCCACAGTGCACCTCACATCGCTGTTCCCTTGATGCTGGTTTATCCTGTG
 TCTCTACATCCACATGTTCTTACTTGCCCCCTCCATGCTAGGAAGATCTTACCCCTCC
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 TGTTTGCTACATGTCTCTTCCAGGTCAATGGCATGTTGATCATGTGCAATGCAGTTAT
 TGACCCCTTATATATGCCTTCCGGAGCCAGAGCTCAGAGATGCATTCAAAGGATGCT
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 ATAAACACATCAGTCTGACA (SEQ ID NO:1)

FIGURE 2A

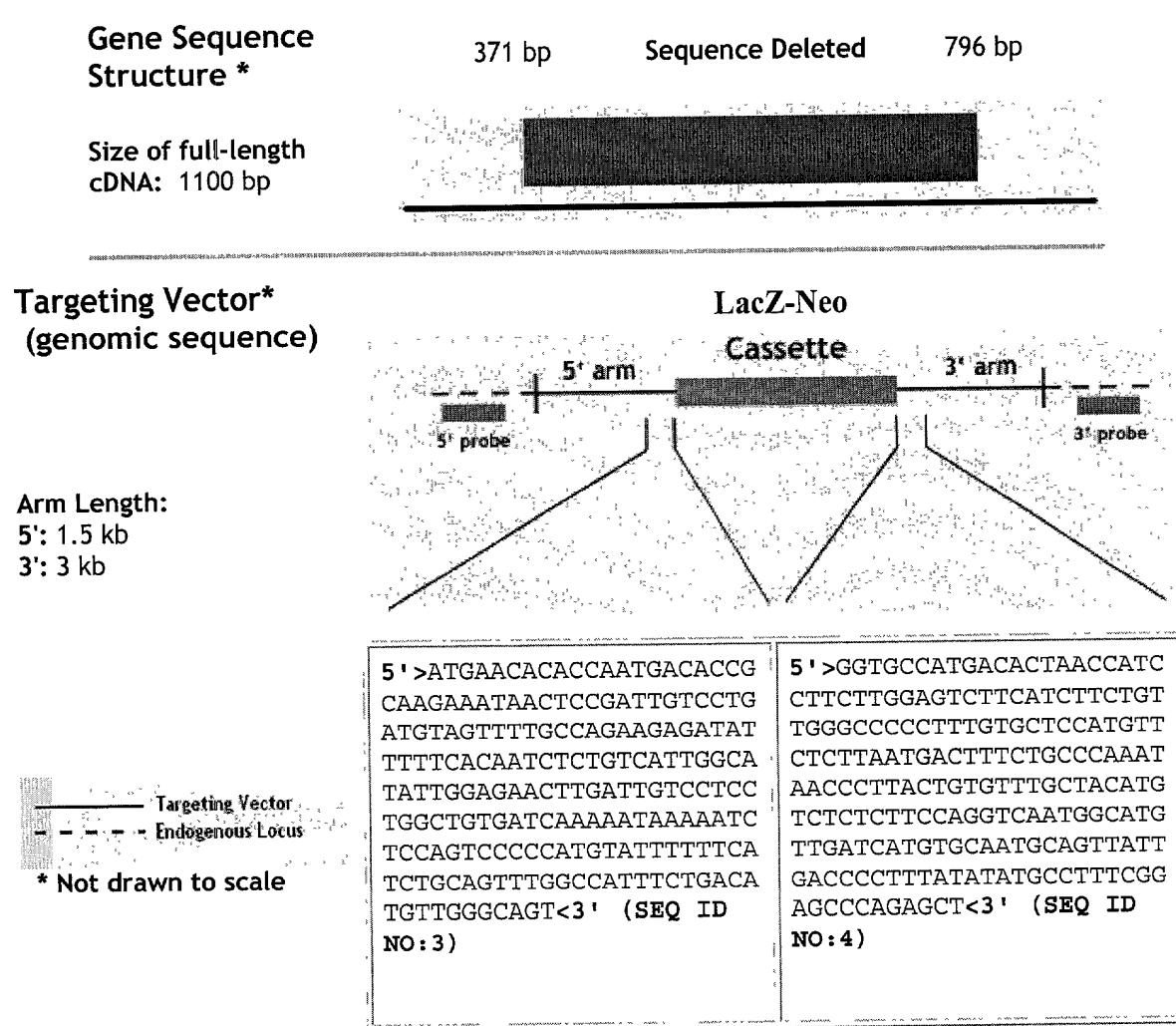


FIGURE 2B

Metrazol Dose to Reach Seizure Stages

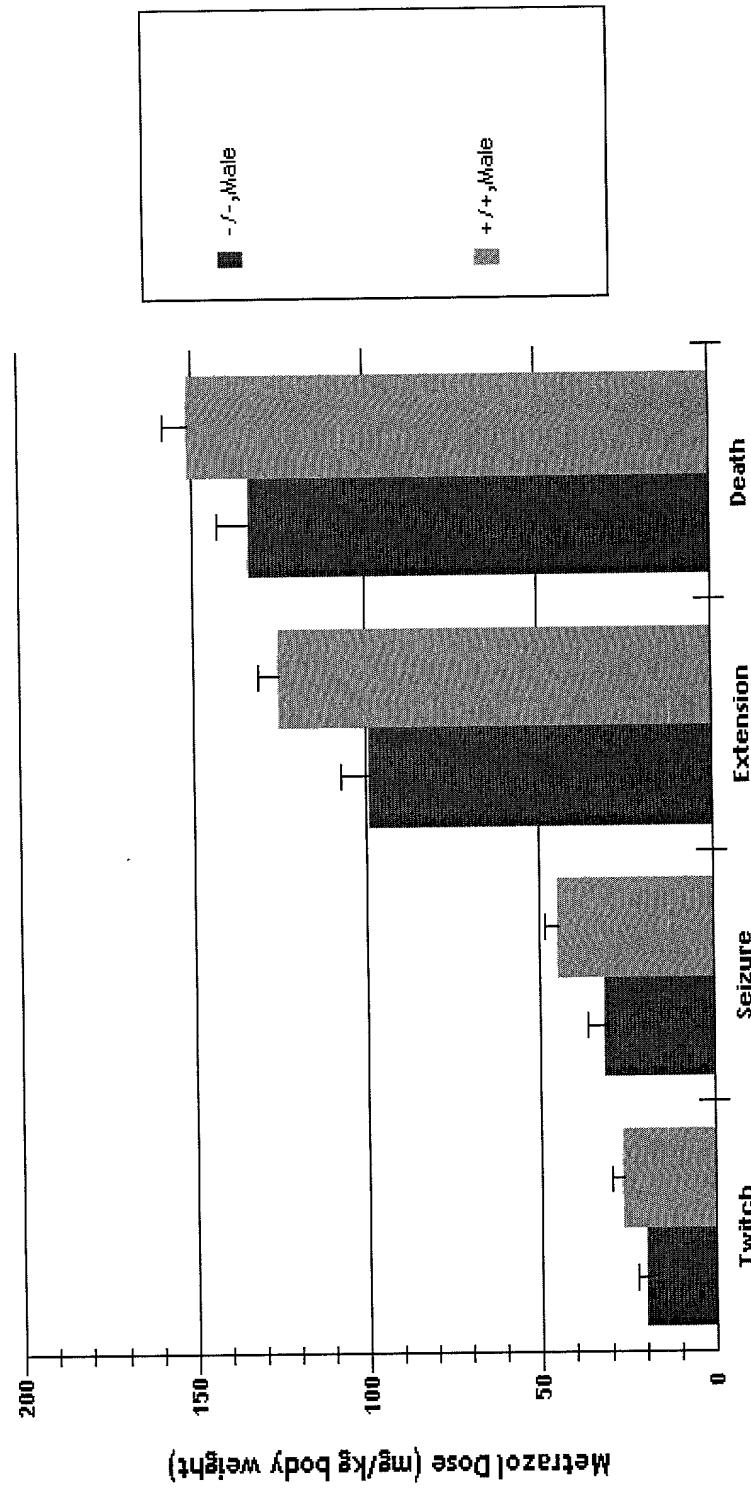


FIGURE 3

Open Field Summary Data - Distance Travelled

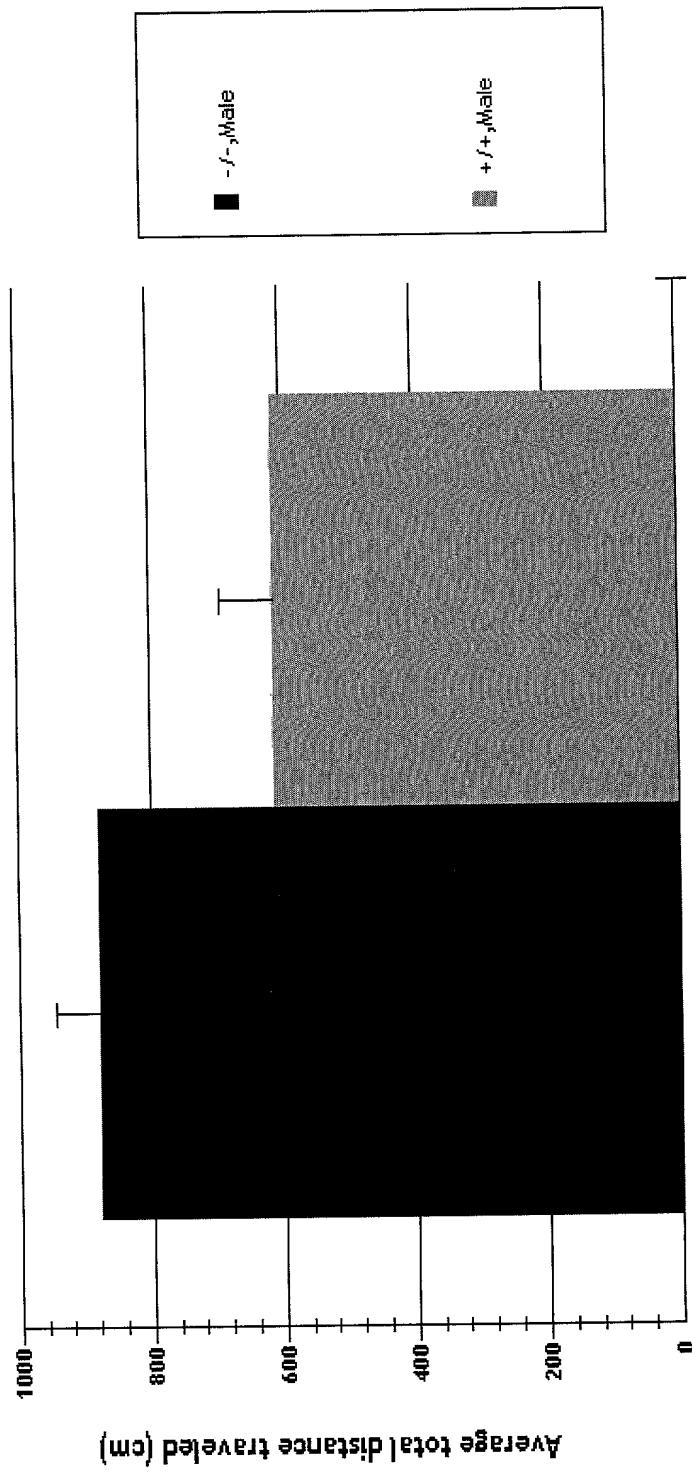


FIGURE 4

Tail Suspension - Total Time Immobile

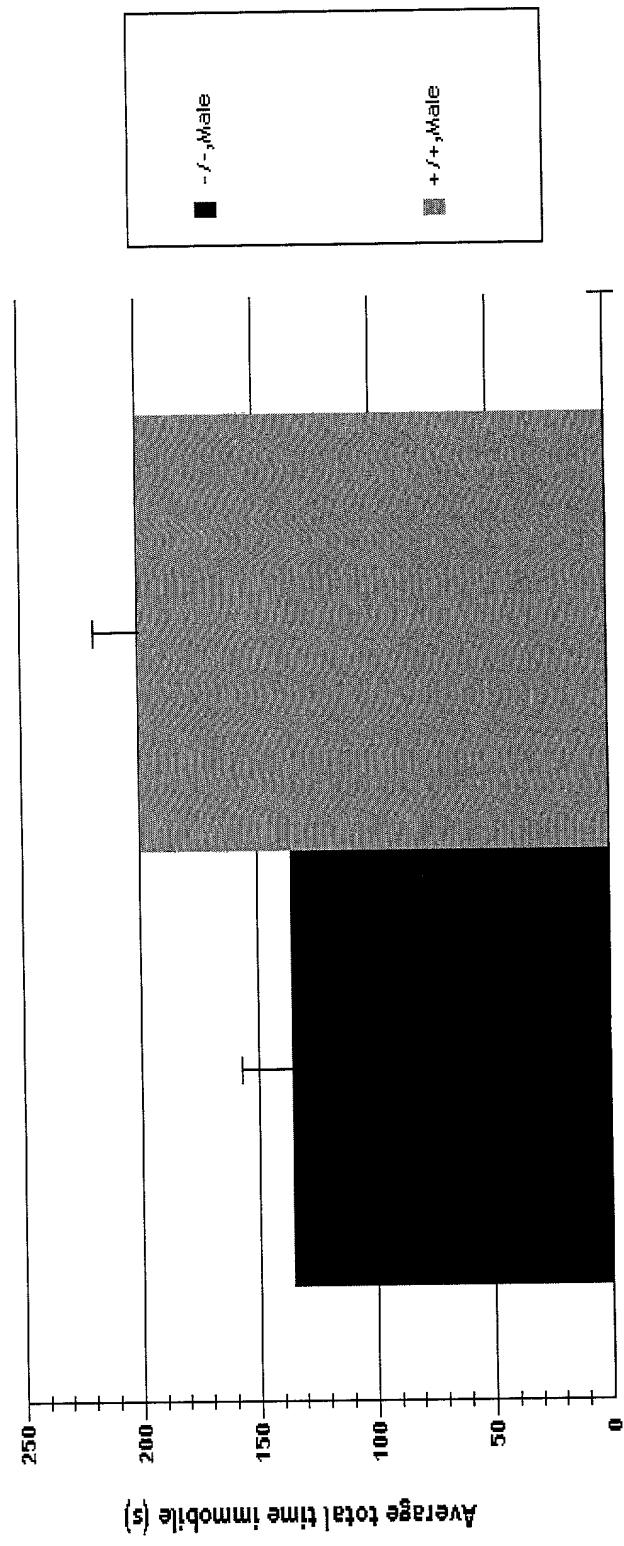


FIGURE 5